Item code: 00044217

Setting Up Your D-Link DSL 2640B Wireless Router

Read this first

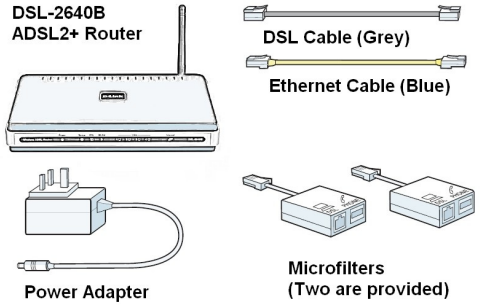
plusnet

Introduction

Hello, thanks for choosing our wireless router. With this guide we'll take you through the setup, don't let all the wires intimidate you, putting it together is a piece of cake.

If at any time you do get stuck, there's lots more help on our website — **http://support.plus.net**

What's in the box:



Also provided is a CD containing the User Manual

You'll also find:
The wireless aerial is packed separately.

You don't need the CD and quick install guide to get started, but the user guide on the CD will help you use the router's advanced features.

Before you start

Has your service gone live?
Hold off using this guide until your broadband service is ready to use. We send you an email when it happens.

Got your broadband username and password?
You'll need them to get connected. It's in the email we sent you, it looks like this:

Service	Broadband username format
Plusnet	username@plusdsl.net
Madasafish	username@madasafish.com
Force9	username@f9.co.uk
Free-Online	username@freeonline.net

Fitting your microfilters

1) Plug a microfilter into your telephone socket. If you had to unplug something, you can plug it back into the "Phone" socket of the microfilter. It's best to leave it out until you've got everything working though.

Microfilters look small and unimportant but they're what keep your phone and Internet services from interfering with each other.

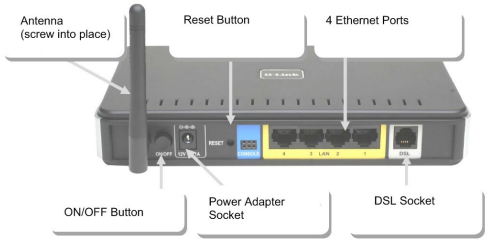
Follow these golden rules to keep your broadband fast and reliable.

* Put a microfilter on all the telephone extensions that have something plugged into them.

* Avoid using old extension cables, the less internal wiring involved the better.

* Don't plug one microfilter into the socket of another microfilter.

2) Plug the Power Adapter into the back of your router, then plug the other end of the adapter into the nearest wall power socket. Then screw the wireless aerial into the socket on the back of the router.



3) Plug one end of the grey broadband cable into the DSL socket on the back of the router, plug the other end into the microfilter *(attached to your phone line in step 1)*.

4) Make sure power is switched on and watch the lights on the front of the router.

5) The power light will first go red and the DSL light will flash. Wait until the power light turns green and the DSL light stops flashing before carrying on.

Troubleshooting

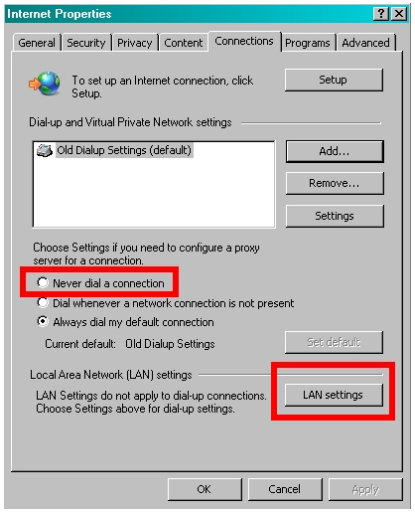
Does a Windows dial-up networking screen appear when trying to connect to the Internet?

You need to stop your computer from trying to use the dial-up settings, which are often used by USB broadband modems.

In most version of Windows you would:
1) Click on the **Start** menu, then **Control Panel**.

2) Select **Internet Options**. or **Network and Internet Connections**, then **Internet Options**.

3) Select the **Connections** tab. Select **Never dial a connection**. Click **LAN Settings...** and select **Automatically detect settings**.



Is the DSL light flashing?

Check your microfilters - there should be one in each telephone extension on that has something plugged into it. Remember not to use two microfilters on the same extension.

If you are using a telephone extension cable, try connecting your router to the main telephone socket. Telephone extensions are a common cause of connection problems, we recommend wireless rather than a telephone extension cable.

Is the Internet light off or red?

Type your username and password in again. Double check the email we sent you to confirm you've got it right.

Status Lights

Power	State
Off	Router not powered, check power cable and power socket
Red	Router is starting up, should turn green after a short time
Green	Router is powered up

DSL	State
Off	No DSL cable connected/ Microfilter or phone line problem
Blinking Green	Router is attempting to connect to the local telephone exchange
Solid Green	Broadband service is connected

Internet	State
Off	Authentication error - check your username and password are correct
Solid Green	Broadband service connected
Blinking Green	Attempting to connect to broadband service

LAN (Ethernet)	State
Off	No device connected
Solid Green	Device connected
Blinking Green	Device sending / receiving data

WLAN (Wireless)	State
Off	Wireless not configured
Solid Green	Wireless connected
Blinking Green	Wireless is operational and sending data

Resetting your router

If you're having problems with your router, you can return everything to the default setting by using the reset button.

Make sure you have note of your broadband username and password before you start

1) Check the router is switched on (power light green).

2) Use a paperclip, pen or pointed object to press into the reset pin hole on the back of the router.

3) Keep the reset button pressed for at least 5 seconds. The power light will come back on to confirm that the reset has completed.

4) You now need to apply your settings again. Just follow this guide again from the beginning.

Advanced Settings

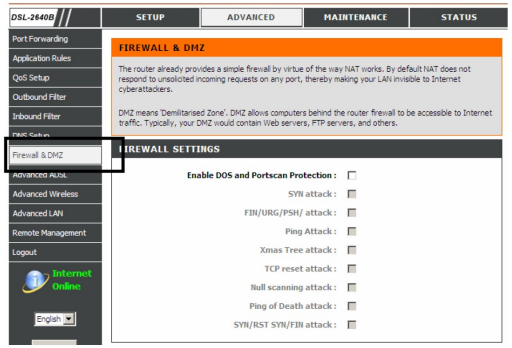
The DSL 2640B comes with a lot of advanced features. These can be accessed by clicking the Advanced link at the top of the router setup page.

The router provides help with each of the advanced settings on the right hand side of the page, or by clicking Help at the top of the page.

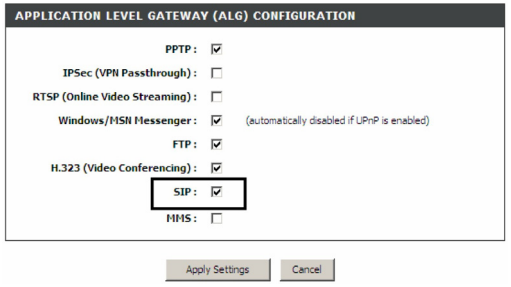
Using Broadband Phone (VoIP)

If you're using VoIP such as our Broadband Phone service you may need to change the following setting.

1) Log in to the router and click on Advanced at the top of the page.


DSL-2640B
SETUP
ADVANCED
MAINTENANCE
STATUS
Port Forwarding
Application Rules
QoS Setup
Outbound Filter
Inbound Filter
Firewall & DMZ
Advanced ADSL
Advanced Wireless
Advanced LAN
Remote Management
Logout
FIREWALL & DMZ
The router already provides a simple firewall by virtue of the way NAT works. By default NAT does not respond to unsolicited incoming requests on any port, thereby making your LAN invisible to Internet cyberattackers.
DMZ means 'Demilitarised Zone'. DMZ allows computers behind the router firewall to be accessible to Internet traffic. Typically, your DMZ would contain Web servers, FTP servers, and others.
FIREWALL SETTINGS
Enable DOS and Portscan Protection :
SYN attack :
FIN/URG/PSH/ attack :
Ping Attack :
Xmas Tree attack :
TCP reset attack :
Null scanning attack :
Ping of Death attack :
SYN/RST SYN/FIN attack :

2) Go to **Firewall & DMZ**. Scroll down to the bottom of the page and under Application Level Gateway (ALG) Configuration **untick** SIP then click **Apply Settings**.



Connecting to your router :

With an Ethernet cable

Follow these steps to use the network cable to connect the router to your computer. Go to the next part entitled **'With Wireless'** If you want to use your computers wireless features instead.

1) Plug the Ethernet cable into any of the 4 available Ethernet ports on the router.

2) Plug the other end of the Ethernet cable into your computer's Ethernet port.

An Ethernet status light on the front of the router will now light up.

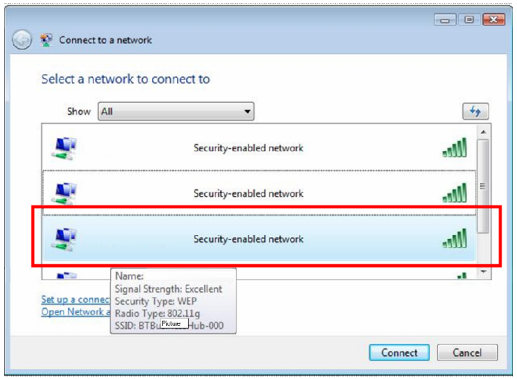
3) Jump to the section called **'Connecting to the Internet'**.

With Wireless networking

Follow these steps to connect using wireless. Your computer will need to be equipped with a wireless adapter.

1) Make sure your computer's wireless adapter card is installed and working OK.

2) Use your wireless adapter's connection utility, or, if you are using Windows, click the Start Button and go to **My Network Places,** the select **Connect to a network**.

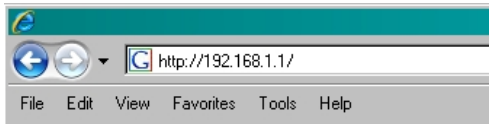


3) Your router will show up as **dlink**. Click on it and then click the **Connect** button. You're now connected, it's time to move on to the next section.

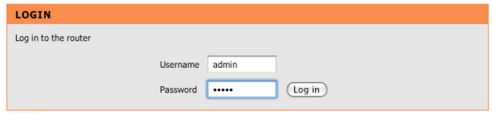
Connecting to the Internet

1) Open up a web browser. Ignore the message that comes up saying *"Cannot connect to server"*.

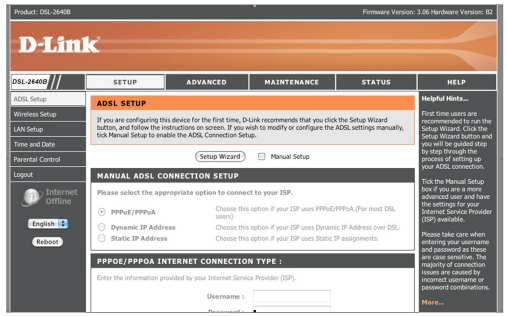
In the address line of your browser type in "**192.168.1.1**", then press **Enter**.

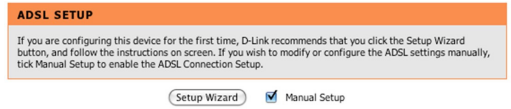


2) The router's Quick Start screen will appear. Enter the username and password and click **Log in**. Router username: **admin** password: **admin** (The password can be changed later)



3) You should now see the setup page. Tick the Manual Setup tick box and click the Setup Wizard button.




ADSL SETUP
If you are configuring this device for the first time, D-Link recommends that you click the Setup Wizard button, and follow the instructions on screen. If you wish to modify or configure the ADSL settings manually, tick Manual Setup to enable the ADSL Connection Setup.
Setup Wizard
Manual Setup

4) You should now see the setup wizard. Click **Next**.

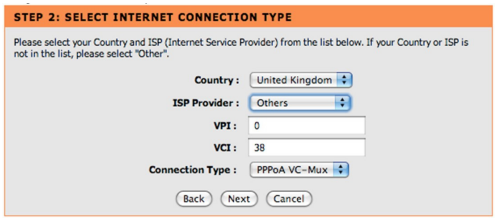
WELCOME TO D-LINK SETUP WIZARD
This wizard will guide you through a step-by-step process to configure your new D-Link router and connect to the Internet.
Step 1: Change your DSL-2640B router password
Step 2: Select Internet Connection
Step 3: Restart
Next
Cancel

You can now change the admin password to login to the router, enter the current password (default is admin) and the new password and confirm it, then click **Next**.

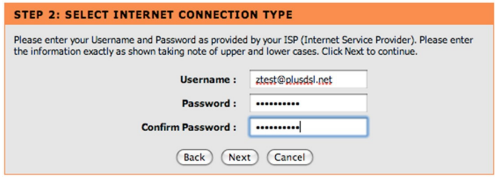
STEP 1: CHANGE YOUR DSL-2640B PASSWORD
The factory default password of this router is 'admin'. To help secure your network, D-Link recommends that you should choose a new password between 1 and 16 characters. If you do not wish to choose a new password now, just Click Skip to continue. Click Next to proceed to next step.
Current password :
New password :
Confirm password :
Back
Next
Skip
Cancel

5) Next, on the Select Internet Connection Type screen choose **United Kingdom** as the Country and ISP Provider as **Others**. Then click **Next**. The UK broadband settings should automatically be applied. They should be:

VPI:**0**
VCI:**38**
Connection Type: **PPPoA VC-Mux**


STEP 2: SELECT INTERNET CONNECTION TYPE
Please select your Country and ISP (Internet Service Provider) from the list below. If your Country or ISP is not in the list, please select "Other".
Country : United Kingdom
ISP Provider : Others
VPI : 0
VCI : 38
Connection Type : PPPoA VC-Mux
Back
Next
Cancel

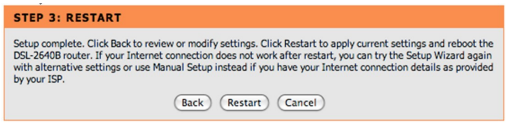
6) Type in your broadband username and your password.


STEP 2: SELECT INTERNET CONNECTION TYPE
Please enter your Username and Password as provided by your ISP (Internet Service Provider). Please enter the information exactly as shown taking note of upper and lower cases. Click Next to continue.
Username : ztest@plusdsl.net
Password :
Confirm Password :
Back
Next
Cancel

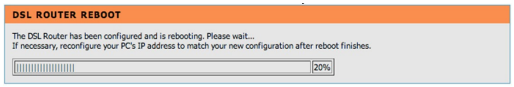
Not sure what your broadband username is? It's in the email we sent you when your service went live, it looks like this:

Service	Broadband username format
Plusnet	username@plusdsl.net
Madasafish	username@madasafish.com
Force9	username@f9.co.uk
Free-Online	username@freeonline.net

7) Finally click **Restart**.

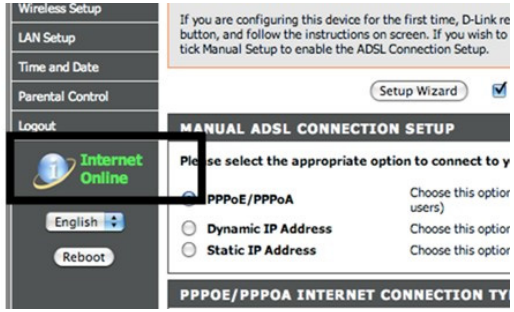

STEP 3: RESTART
Setup complete. Click Back to review or modify settings. Click Restart to apply current settings and reboot the DSL-2640B router. If your Internet connection does not work after restart, you can try the Setup Wizard again with alternative settings or use Manual Setup instead if you have your Internet connection details as provided by your ISP.
Back
Restart
Cancel

The router will restart and the screen will show you the status.


DSL ROUTER REBOOT
The DSL Router has been configured and is rebooting. Please wait...
If necessary, reconfigure your PC's IP address to match your new configuration after reboot finishes.
20%

8) You'll receive a message when the router has successfully restarted.

9) Log back into the router following step 1 and 2 again, to check the connection status. If you're connected, you'll see "**Internet Online**" in green on the left hand side of the page.



The Internet light on the front of the router should also be green.

That's it, you're online. See, we said it was easy.

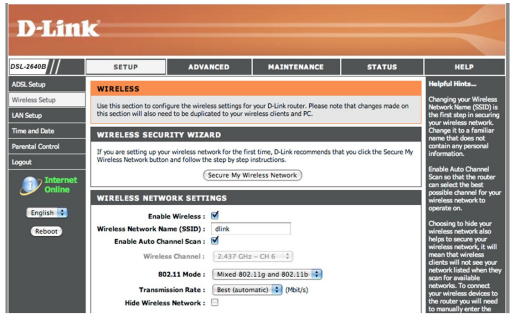
The next section will walk you through the set up of your wireless security. This is really important otherwise neighbours or passers by could connect to your network.

Setting Up Wireless Security

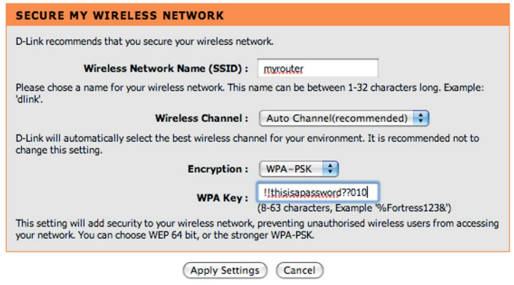
1) Open up a web browser (such as Internet Explorer), in the address line type in "**192.168.1.1**", then press **Enter**.

2) Log in to the router and on the Setup page click Wireless Setup.

3) Click the **Secure My Wireless Network** button and the Secure My Wireless Network page will appear.

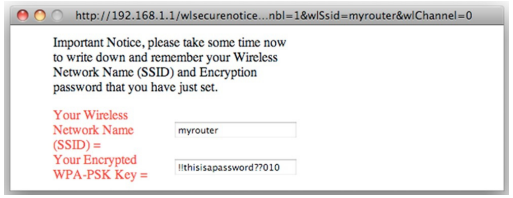


4) Right now encryption will be set to None, we recommend changing this to **WPA-PSK** as this offers a good balance between security and ease of use. In the WPA Key box enter a password. You'll will need to enter this on any PC or games console you want to use on the Internet.


SECURE MY WIRELESS NETWORK
D-Link recommends that you secure your wireless network.
Wireless Network Name (SSID) : myrouter
Please chose a name for your wireless network. This name can be between 1-32 characters long. Example: 'dlink'.
Wireless Channel : Auto Channel(recommended)
D-Link will automatically select the best wireless channel for your environment. It is recommended not to change this setting.
Encryption : WPA-PSK
WPA Key : !!thisisapassword??010
(8-63 characters, Example '%Fortress123&')
This setting will add security to your wireless network, preventing unauthorised wireless users from accessing your network. You can choose WEP 64 bit, or the stronger WPA-PSK.
Apply Settings
Cancel

You can also change the **Wireless Network Name** on this page, this is the name that will appear in your wireless network settings. If there are a lot of wireless routers in your area it may be useful to change this to identify your router, you can also hide the name for increased security.

There is normally no need to change the wireless channel. Click **Apply Settings** and the router will confirm the details to you.

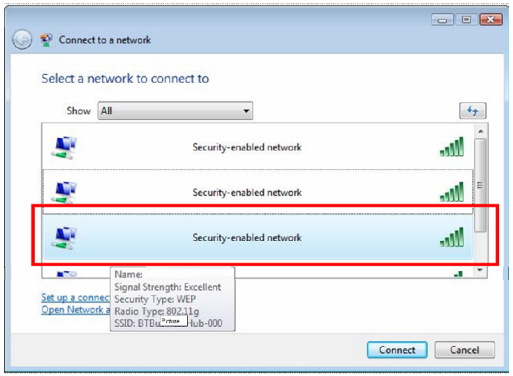

http://192.168.1.1/wlsecurenotice...nbl=1&wlSsid=myrouter&wlChannel=0
Important Notice, please take some time now to write down and remember your Wireless Network Name (SSID) and Encryption password that you have just set.
Your Wireless Network Name (SSID) = myrouter
Your Encrypted WPA-PSK Key = !!thisisapassword??010

Make sure the details are written down somewhere that you'll be able to easily find in the future. The DSL 2640B router comes with a sticker to write the details on which you can stick on the bottom of the router.

5) To reconnect, you will need to enter the new details in your wireless network settings.

6) Check that your computer's wireless adapter card is installed and working properly.

7) Use your wireless adapter's connection utility, or from **My Network Places** select **Connect to a network**.



8) Your DSL 2640B router will show up as the Wireless Network Name you entered in step 4 or **dlink** if you left it unchanged.

You've now secured your wireless network against unauthorised access.